PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 030877PC	FOR FURTHER ACTION		ransmittal of International Search Report) as well as, where applicable, item 5 below.
International application No. PCT/AU2004/001463	International filing date 22 October 2004	(day/month/year)	(Earliest) Priority Date (day/month/year) 22 October 2003
Applicant Applicant	22 October 2004		
DIGGA AUSTRALIA PTY	LTD et al		<i>₽</i>
			
This international search report has been p Article 18. A copy is being transmitted to	repared by this International the International Bureau.	Searching Authority and	is transmitted to the applicant according to
This international search report consists of			
It is also accompanied by a c	opy of each prior art docume	ent cited in this report.	
Basis of the report			
 a. With regard to the language, which it was filed, unless oth 			of the international application in the language in
the international search (Rule 23.1(b)).	was carried out on the basis	of a translation of the in	ternational application furnished to this Authority
b. With regard to any nucleotid carried out on the basis of the	e and/or amino acid sequer e sequence listing:	nce disclosed in the inter-	national application, the international search was
	ational application in written	form.	•
filed together with the	international application in c	computer readable form.	
furnished subsequently	to this Authority in written	form.	
furnished subsequently	to this Authority in compute	er readable form.	•
the statement that the sapplication as filed has		n sequence listing does i	not go beyond the disclosure in the international
		outer readable form is ide	entical to the written sequence listing has been
2. Certain claims were found	unsearchable (See Box I).		
3. X Unity of invention is lacking	g (See Box Π).		
4. With regard to the title,	the text is approved as s	ubmitted by the applican	at.
į	the text has been establi	shed by this Authority to	read as follows:
5. With regard to the abstract,	the text is approved as s	submitted by the applicar	nt
[2		in one month from the d	38.2(b), by this Authority as it appears in Box III. late of mailing of this international search report,
6. The figure of the drawings to be p	ublished with the abstract is	Figure No. 1	
[2	as suggested by the app	licant.	None of the figures
	because the applicant fa	iled to suggest a figure	
	because this figure bette	er characterizes the inven	ition

; >

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Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interreasons:	national search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos:
	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos:
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
 } 	•
3.	Claims Nos:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
1. (national Searching Authority found multiple inventions in this international application, as follows: Claims 1-7 are directed to a support structure for a tool. It is considered that "the self monitoring and operating dampening neans for controlling the pendulation of the tool on the pendulm pivot with respect to the boom or arm" comprises a first 'special technical feature".
2. (Claim 8 is directed to a method of dampening. It is considered that the step of adapting the rotary hydraulic actuator to provide varying rotary resistance comprises a second special technical feature.
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
[ી] ગુ.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.
L	

TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Box III

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A support structure for a tool	comprising a boor	n or arm for	supporting the	tool, a per	dulum piv	vot (1.2)	supporti	ng the
4 1 21								

tool with respect to the boom or arm in a manner which allows the tool to pendulate and self monitoring and operating dampening means (3) for controlling the pendulation of the tool on the pendulum pivot with respect to the boom or arm.

F

International application No.

			PCT/AU2004/0	001463
Α.	CLASSIFICATION OF SUBJECT MATTE	R	•	
Int. Cl. 7:	E02F 5/16, 5/20, 9/24, F16F 11/00, 15/00,	15/023, 15/027, A01B 61/04		
According to	International Patent Classification (IPC) or to be	oth national classification and IPC		
В.	FIELDS SEARCHED			
Minimum docu	imentation searched (classification system followed b	y classification symbols)		-
Documentation	n searched other than minimum documentation to the	extent that such documents are include	d in the fields searche	ed
	base consulted during the international search (name F, F16F, E21B, E21C, A01B, A01C with key der+)			imped+,
C.	DOCUMENTS CONSIDERED TO BE RELEVA	NT		
Category*	Citation of document, with indication, where	appropriate, of the relevant passage	s	Relevant to claim No.
X,P	WO 2003/095750 A1 (WRIGHT) 20 No The whole document	vember 2003		1-7
x	WO 2002/072964 A1 (WRIGHT) 19 Sep The whole document	tember 2002		1-7
х	US 5507354 A (HARLEMAN) 16 Augus The whole document	st 1996		1-7
X	Further documents are listed in the continua	tion of Box C X See pa	atent family anne	x
"A" docum which relevar "E" earlier after th	application or patent but published on or "X" to international filing date ent which may throw doubts on priority "Y"	later document published after the in and not in conflict with the application or theory underlying the invention document of particular relevance; the considered novel or cannot be considered when the document is taken alone document of particular relevance; the	on but cited to undersectation continued invention continued to involve an in	stand the principle cannot be . nventive step
publica reason "O" docum	s) or which is cited to establish the ation date of another citation or other special (as specified) tent referring to an oral disclosure, use, "&" tion or other means	considered to involve an inventive st with one or more other such docume a person skilled in the art document member of the same patern	nts, such combinatio	
	ent published prior to the international filing at later than the priority date claimed			
Date of the act	tual completion of the international search	Date of mailing of the internation		B JAN 2005
	ling address of the ISA/AU	Authorized officer		
	N PATENT OFFICE			
E-mail address	WODEN ACT 2606, AUSTRALIA s: pct@ipaustralia.gov.au	LEOPOLD FILIPOVIC		•
Facsimile No.	acsimile No. (02) 6285 3929 Telephone No : (02) 6283 2105			

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International application No. PCT/AU2004/001463

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO 2000/053522 A1 (INDEXATOR AB) 14 September 2000 The whole document	1-7
x	US 4273056 A (LOFGREN et al) 16 June 1981 The whole document	1-7
x	US 4735158 A (PAUL et al) 5 April 1988 The whole document	1-7
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Information on patent family members

International application No.

PCT/AU2004/001463

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report		٠	Pate	nt Family Member		
wo	03095750						-
WO	02072964	BR	0208483	· EP	1387908	US	2003183400
US	5507354						
wo	0053522	AU	36893/00	CA	2366291	EP	1175368
		SE	9900836				•
US	4342270	CA	1151953	FI	810488	SE	8004686
US	4273056	CA	1108016	DE	2919962	FI	791544
Ì		· SE	7805797				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX